

Title (en)

Multifunctional input device for centralized control of plurality of regulable functions

Title (de)

Multifunktionseingabegerät zu zentralisierter Steuerung einer Mehrzahl von regulierbaren Funktionen

Title (fr)

Dispositif d'entrée multifonctionnel pour la commande centralisée de la pluralité de fonctions réglables

Publication

EP 1278152 A3 20080227 (EN)

Application

EP 02015649 A 20020716

Priority

JP 2001217020 A 20010717

Abstract (en)

[origin: EP1278152A2] The multifunctional input device is configured of an operating unit; a first detector and a second detector for detecting an operating state of the operating unit; an actuator for providing an external force to the operating unit; a controller for exchanging signals with a host computer, which controls a plurality of electrical apparatuses, and controlling driving of the actuator in accordance with instructions from the host computer; and a function/feel library in which are stored actuator driving data matching first detection signals and second detection signals supplied from the first detector and the second detector, and data for manipulating the electrical apparatuses by way of the host computer. In the function/feel library are stored a plurality of actuator drive characteristics, feel number information including numbers identifying combinations of actuator drive characteristics and detection signals, and function number information including numbers identifying the first detection signals supplied from the first detector and the second detection signals supplied from the second detector.

IPC 1-7

G06K 11/18

IPC 8 full level

G06F 3/023 (2006.01); **G06F 3/00** (2006.01); **G06F 3/01** (2006.01); **G06F 3/038** (2013.01)

CPC (source: EP US)

G06F 3/016 (2013.01 - EP US)

Citation (search report)

- [X] US 6154201 A 20001128 - LEVIN MICHAEL D [US], et al
- [A] US 5734373 A 19980331 - ROSENBERG LOUIS B [US], et al
- [A] EP 1069488 A2 20010117 - ALPS ELECTRIC CO LTD [JP]
- [A] EP 0875819 A1 19981104 - MICROSOFT CORP [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

Designated extension state (EPC)

AL LT LV MK RO SI

DOCDB simple family (publication)

EP 1278152 A2 20030122; **EP 1278152 A3 20080227**; **EP 1278152 B1 20111116**; JP 2003029914 A 20030131; JP 3958944 B2 20070815; US 2003018835 A1 20030123; US 6978320 B2 20051220

DOCDB simple family (application)

EP 02015649 A 20020716; JP 2001217020 A 20010717; US 19522402 A 20020715